

U.S.S.N. 10/792,147

Claim Amendments

Please amend claims 1, 6, and 12 as follows:

Please cancel claims 5, 11, and 15 as follows:

U.S.S.N. 10/792,147

Listing of Claims

1. (currently amended) A semiconductor wafer comprising:

a plurality of fields on the wafer; and

a plurality of alignment fields within the plurality of fields, each alignment field having a plurality of intra-field overlay alignment mark pairs therearound for in-situ, non-passive intra-field alignment correction; and,

a plurality of extra scribe-lane mark pairs around each of the plurality of alignment fields.

2. (original) The semiconductor wafer of claim 1, wherein the plurality of fields comprises the plurality of alignment fields correspond to semiconductor dies.

3. (original) The semiconductor wafer of claim 1, wherein the plurality of fields comprises the plurality of alignment fields correspond to semiconductor devices.

4. (original) The semiconductor wafer of claim 1, wherein the

U.S.S.N. 10/792,147

plurality of intra-field overlay alignment mark pairs numbers between two and four.

5. (canceled)

6. (currently amended) The method comprising:

providing a semiconductor wafer;

defining a plurality of fields on the semiconductor wafer, including a plurality of alignment fields; and,

providing a plurality of intra-field overlay alignment mark pairs around each of the plurality of alignment fields to provide for non-passive intra-field alignment correction; and,

providing a plurality of extra scribe-lane mark pairs around each of the plurality of alignment fields.

7. The method of claim 6, wherein providing the plurality of fields comprises providing a plurality of fields corresponding to semiconductor dies.

U.S.S.N. 10/792,147

8. (original) The method of claim 6, wherein providing the plurality of fields comprises providing a plurality of fields corresponding to semiconductor devices.

9. (original) The method of claim 6, wherein providing the plurality of fields comprises providing between two and four of the plurality of alignment intra-fields.

10. (original) The method of claim 6, wherein providing the plurality of intra-field overlay alignment mark pairs around each of the plurality of alignment fields comprises providing between two and four of the plurality of overlay alignment mark pairs around each of the plurality of alignment fields.

11. (canceled)

12. (currently amended) A semiconductor wafer comprising:

a plurality of fields;

a pair plurality of alignment fields within the plurality of fields, ~~further comprising an~~ each alignment field having 2-4 pairs of intra-field overlay alignment mark pairs there around

U.S.S.N. 10/792,147

for in-situ, non-passive intra-field alignment correction; and,

a plurality of extra scribe-lane marks around each of the
plurality of alignment fields.

13. (original) The semiconductor wafer of claim 12, wherein the plurality of fields comprising the pair of alignment fields correspond to semiconductor dies.

14. (original) The semiconductor wafer of claim 12, wherein the plurality of fields comprising the pair of alignment fields correspond to semiconductor devices.

15. (canceled)